

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
**WO 2005/040369 A1**

(51) International Patent Classification<sup>7</sup>: C12N 9/12, 15/54

(21) International Application Number:  
PCT/EP2004/011566

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
1622/2003 15 October 2003 (15.10.2003) AT

(71) Applicant (for all designated States except US): SANDOZ  
GmbH [AT/AT]; Biochemiestrasse 10, 6250 Kundl (AT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SCHOER-  
GENDORFER, Kurt [AT/AT]; Waldweg 12, A-6336  
Langkampfen (AT). KÜRNSTEINER, Hubert [AT/AT];  
Mitte 172, A-6300 Angerberg (AT).

(74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellec-  
tual Property, CH-4002 Basel (CH).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PRODUCING PENICILLIN

(57) Abstract: The present invention relates to isolated nucleic acid molecules which encode a novel *Penicillium chrysogenum* protein, to vectors which contain such a nucleic acid molecule, to host cells which have been transformed with such a nucleic acid molecule or vector, and to a process for producing penicillin while using such transformed host cells.



WO 2005/040369 A1